

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: *SC*
OGILVY RENAULT LLP/S.E.N.C.R.L.,S.R.L.
1600 - 1981 McGill College Avenue
MONTREAL, Quebec
Canada, H3A 3C1

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing **18 August 2005 (18.08.2005)**
 (day/month/year)

Applicant's or agent's file reference
16908-2PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/CA2005/000521

International filing date **06 April 2005 (06-04-2005)**
 (day/month/year)

Applicant
PLANTE, REJEAN

DUE ON OCT 18 2005

1. ☒ [X] The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19 :

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46) :

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ [] The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ [] **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that :

☐ [] the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ [] no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for the international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until **30 months** from the priority date (in some Offices even later); otherwise, the applicant must, within **20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/CA
 Canadian Intellectual Property Office
 Place du Portage I, C114 - 1st Floor, Box PCT
 50 Victoria Street
 Gatineau, Quebec K1A 0C9
 Facsimile No.: 001(819)953-2476

Authorized officer
Maureen Matheson (819) 953-1495

NOTES TO FORM PCT/ISA/220

These Notes are intended to give instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)) :

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter :

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the *PCT Applicant's Guide*, Volume II.

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

DUE ON FEB 06 2006

PCT

Reply to:
WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:
OGILVY RENAULT LLP/S.E.N.C.R.L.,S.R.L.
1600 - 1981 McGill College Avenue
MONTREAL, Quebec
Canada, H3A 3C1

Date of mailing 18 August 2005 (18.08.2005)
(day/month/year)

Applicant's or agent's file reference
16908-2PCT

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/CA2005/000521

International filing date (day/month/year)
06 April 2005 (06-04-2005)

Priority date (day/month/year)
06 April 2004 (06-04-2004)

International Patent Classification (IPC) or both national classification and IPC
IPC(7): E04B 1/62, E04B 1/64, E04B 1/66, E04B 1/74, E04F 15/18, E04D 5/02, E04D 13/16

Applicant
PLANTE, REJEAN

1. This opinion contains indications relating to the following items :

- | | |
|--|--|
| <input checked="" type="checkbox"/> Box No. I | Basis of the opinion |
| <input type="checkbox"/> Box No. II | Priority |
| <input type="checkbox"/> Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input checked="" type="checkbox"/> Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> Box No. V | Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Box No. VI | Certain documents cited |
| <input type="checkbox"/> Box No. VII | Certain defects in the international application |
| <input checked="" type="checkbox"/> Box No. VIII | Certain observations on the international application |

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage I, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
Facsimile No.: 001(819)953-2476

Date of completion of this opinion
10 August 2005 (10-08-2005)

Authorized officer

Yasmine Robert (819) 953-0838

Box No. I **Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of:

 ☒ the international application in the language in which it was filed

 ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of :
 - a. type of material
 ☐ a sequence listing
 ☐ table(s) related to the sequence listing
 - b. format of material
 ☐ on paper
 ☐ in electronic form
 - c. time of filing/furnishing
 ☐ contained in the international application as filed.
 ☐ filed together with the international application in electronic form
 ☐ furnished subsequently to this Authority for the purposes of search.
- 3 ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statement that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments :

Box No. IV Lack of unity of invention

1. ☐ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time
- ☐ paid additional fees
 - ☐ paid additional fees under protest and, where applicable, the protest fee
 - ☐ paid additional fees under protest but the applicable protest fee was not paid
 - ☐ not paid additional fees
2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
- ☐ complied with
 - ☒ not complied with for the following reasons :
- Group A: Claims 1 to 40
A flexible insulation sheet-like material for a floor arrangement forming a moisture barrier underlayment to provide a flat and level surface for receiving floor coverings.
- Group B: Claims 41 to 43
A moisture barrier corner capping member adapted to be installed at the junction of at least two walls and a floor.
- The independent claims presently in the application do not fulfill the Unity of Invention requirement, PCT Rule 13, as they are not so linked as to form "a single general inventive concept". This inventive concept must find expression in "special technical features", which defines a contribution which each of the claimed inventions, considered as a whole, make over the prior art. It is noted, however, that the common features linking the independent claims presently in the application are known in the art and are thus prior art features and not "special technical features", so that they cannot form an inventive link for the independent claims.
4. Consequently, this opinion has been established in respect of the following parts of the international application :
- ☐ all parts
 - ☒ the parts relating to claim 1 to 40

Box No. V Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1 to 40</u>	YES
	Claims <u>none</u>	NO
Inventive step (IS)	Claims <u>none</u>	YES
	Claims <u>1 to 40</u>	NO
Industrial applicability (IA)	Claims <u>1 to 40</u>	YES
	Claims <u>none</u>	NO

2. Citations and explanations :

D1: US 2004/0031225A1 (FOWLER, G.) 19 February 2004 (19-02-2004)
D2: US 3,885,075A (FERRANTE, E.A.) 20 May 1975 (20-05-1975)
D3: US 4,471,012A (MAXWELL, T.V.) 11 September 1984 (11-09-1984)
D4: US 3,962,504A (SHERWIN, C.J.) 08 June 1976 (08-06-1976)

Novelty (N)

Claims 1 to 40 meet the requirements of **PCT Article 33(2)** having regard to novelty, as the above cited documents do not disclose all the features recited in these claims.

Document D1 which is considered to be the most relevant state of the art for these claims discloses a floor covering panel and floor covering system which includes first and second planar surfaces, first and second side edges containing first and second complementary coupling members, respectively, and a barrier composition applied to a portion of one the first and second coupling members for providing a moisture barrier to prevent water penetration below the first surface of the floor covering. Thus, in D1, the first and second side edges can be said to have a thickness W1 and an overlap joint between the first and second floor panel with a thickness W2 substantially equal to or less than the thickness W1. Moreover, documents D2 and D3 also disclose such overlapping joint of reduced thickness as claimed in independent claims 1, 16, 24 and 33 which results in a flat surface even at the overlapped junction. However, documents D1, D2 or D3 fail to disclose such overlapping joint used in flexible insulation sheet-like material (moisture barrier underlayment).

Thus, the subject matter of independent claims 1, 16, 24 and 33 is new in the sense of **PCT Article 33(2)**.

Claims 2 to 15, 25 to 32 and 34 to 40 are dependant on claims 1, 16, 24 and 33 respectively and, as such, also meet the requirements of the **PCT Article 33(2)** with respect to novelty.

...continuation on supplemental box...

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made :

The description does not comply with Article 5 of the PCT. A statement in an application, such as found on page 11, line 3 which incorporates by reference any other document, does not comply with Article 5 PCT. The description should be complete in and of itself. A person skilled in the art should be able to understand the patent specification without reference to any other document.

The description does not comply with Article 5 of the PCT. A statement in an application, such as found on page 11, line 2 which includes a reference to any provisional application, should be removed. The PCT does not provide for any reference to provisional applications. Further, unpublished document should not be regarded as being part of the description.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V

Inventive Step (IS)

Claims 1 to 40 do not comply with **PCT Article 33(3)**. The subject matter of these claims would have been obvious to a person skilled in the art or science to which they pertain having regard to D1, in view of D4 and of common general knowledge in the field.

D4 discloses the additional feature of claims 10 to 13, 21 and 22, namely a peel-off film which covers an adhesive surface.

The main distinguishing features of claims 1 to 5, 8, 14 to 17, 19, 20 and 23 to 40 regarding the disclosure of D1, is that D1 does not disclose specifically a flexible insulation sheet-like material in a floor arrangement, i.e. flexible insulation material disposed underneath floor covering members to prevent straight-through moisture infiltration, but rather merely a floor panel system of reduced thickness at the overlapping joints. However, it would have been well within the purview of a person skilled in the art to use free-bump overlap joints in any layer of a floor arrangement and it is not possible to find any unexpected technical effect related to the use of such free-bump overlap joints in insulation membranes in particular rather than in floor coverings like in D1. Also, claims 6, 7, 9 and 18 claiming the type of material that can be used for an insulation sheets and measuring indicia provided on a top surface of the insulation sheets, are considered well-known subject matter for persons skilled in the art.

Hence, the subject matter of claims 1 to 40 do not involve an inventive step in the sense of **PCT Article 33(3)**

Industrial Applicability (IA)

The subject matter of claims 1 to 40 is considered to be industrially applicable in the sense of **PCT Article 33(4)**.

PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 16908-2PCT	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below
International application No. PCT/CA2005/000521	International filing date (<i>day/month/year</i>) 06 April 2005 (06-04-2005)	(Earliest) Priority date (<i>day/month/year</i>) 06 April 2004 (06-04-2004)	
Applicant PLANTE, REJEAN			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed

☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I

2. ☐ **Certain claims were found unsearchable** (see Box No. II)

3. ☒ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant

☒ the text has been established by this Authority to read as follows :

FLEXIBLE INSULATION MEMBRANE WITH FLAT OVERLAPPING JOINTS AND METHOD OF INSTALLING THE SAME

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2a

☒ as suggested by the applicant

☐ as selected by this Authority, because the applicant failed to suggest a figure

☐ as selected by this Authority, because this figure better characterizes the invention

b. ☐ none of the figures is to be published with the abstract

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☐ Claim Nos. :
because they relate to subject matter not required to be searched by this Authority, namely :
2. ☐ Claim Nos. :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
3. ☐ Claim Nos. :
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

Group A: Claims 1 to 40

A flexible insulation sheet-like material for a floor arrangement, forming a moisture barrier underlayment to provide a flat and level surface for receiving floor coverings.

Group B: Claims 41 to 43

A moisture barrier corner capping member adapted to be installed at the junction of at least two walls and a floor.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. : 1 to 40

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000521

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7): E04B 1/62, E04B 1/64, E04B 1/66, E04B 1/74, E04F 15/18, E04D 5/02, E04D 13/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): E04B, E04F, E04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Delphion, Esp@cenet, USPTO, CDP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0031225A1 (FOWLER, G.) 19 February 2004 (19-02-2004) ~ Abstract; Figs. 2 to 4 ~	1 to 40
Y	US 3,885,075A, (FERRANTE, E.A.) 20 May 1975 (20-05-1975) ~ Abstract; Fig. 1 ~	1 to 40
Y	US 4,471,012 A (MAXWELL, T.V.) 11 September 1984 (11-09-1984) ~ Abstract ~	1 to 40
Y	US 3,962,504 A (SHERWIN, C.J.) 08 June 1976 (08-06-1976) ~ Abstract ~	10 to 13, 21 and 22

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 August 2005 (10-08-2005)

Date of mailing of the international search report

18 August 2005 (18.08.2005)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage I, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
Facsimile No.: 001(819)953-2476

Authorized officer

Yasmine Robert (819) 953-0838

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2005/000521

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US2004031225A1	19-02-2004	AU2002341556 A1 CA2495368 A1 WO2004016422 A1	03-03-2004 26-02-2004 26-02-2004
US4471012A	11-09-1984	None	
US3885075A	20-05-1975	None	
US3962504A	08-06-1976	None	